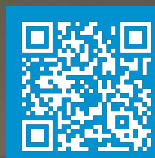




**Bachelor • Lisboa**

# ELECTROTECHNICAL ENGINEERING



## Direction

João Canto  
[joao.canto@ulusofona.pt](mailto:joao.canto@ulusofona.pt)

## Exams

Have the following set:

- 07 Física e Química and 16 Matemática

## Secretariat

Tânia Pereira  
[engbioamb@crm.ulusofona.pt](mailto:engbioamb@crm.ulusofona.pt)

## Duration

3 Years

## Credits

180 ects

## Presentation

The Degree in Electrotechnical Engineering, of Lusofona University, is a programme that has a solid scientific foundation in Mathematics, Physics and Computer Science. The study plan approaches the latest subjects in science and technology, such as Robotics and Automation, Power Systems, and Telecommunications. This is a programme turned to the future, that trains professionals with the skills to act in a plethora of areas and, as such, with high demand and employability. Our graduates may also apply to the Order of Engineers or the Order of Technical Engineers, according to their established rules. The course has a strong laboratorial component, which allied to a solid theoretical framework, allows one to acquire critical thinking and advanced problem-solving skills.

# STUDY PLAN

## 1st Year / Comon Core

1º Semestre	ects	2º Semestre	ects
Algebra	5	Calculus II	5
C Programming	6	Circuit Analysis	6
Calculus I	5	Introduction to Robotics	3
Digital Systems	7	Microprocessor Basics	6
Instrumentation and Measurements	6	Physics	7
Introduction to Electrotechnical Engineering	4		

## 2nd Year / Comon Core

1º Semestre	ects	2º Semestre	ects
Calculus III	5	Computational Mathematics	6.5
Electromagnetism I	7	Data Acquisition and Processing	6.5
Electronics I	6.5	Electromagnetism II	5.5
Probabilities and Statistics	5	Electronics II	6.5
Signals and Systems	6.5	Operational Research	5

## 3rd Year / Comon Core

1º Semestre	ects	2º Semestre	ects
Automatic Control I	6	Automatic Control II	6
Microelectronics	6	Power Electronics	6

## 3rd Year / Energy and Power

1º Semestre	ects	2º Semestre	ects
Electrical Energy Systems	6	Electrical Machines II	6
Electrical Machines I	6	Power Installations and Electrical Devices	6
Project on Energy and Power I	6	Project on Energy and Power II	6

## 3rd Year / Telecommunications

1º Semestre	ects	2º Semestre	ects
Fundamentals of Telecommunications	6	Data Communication and Newtorks	6
Operating Systems	6	Telecommunication Project II	6
Telecommunication Project	6	Telecommunications Systems	6

Linha direta  
para o teu futuro



963 640 100



217 515 500



info@ulusofona.pt



@u.lusofona.pt

WWW.ULUSOFONA.PT